

Certificate of Product Approval

Certificate Number: 1239a

Issue: 05

FiWaRec Valves & Regulators GmbH & Co. KG

Europa-Allee 12
D54343 Fohren
Germany



is certified by BRE Global Ltd. and is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirement(s) of the standards as detailed below:

Products

Container Valves &
Container Valve Actuators

Connectors

Check Valves & Non-Return Valves

Constant Pressure Regulator

Standards

EN 12094-4:2004

EN 12094-8:2006

EN 12094-13:2003

An LPCB Schedule of Requirements

(refer to attached appendix for details)

This certificate and appendix is maintained and held in force through regular surveillance activities

S.A. Colwell

Signed for BRE Global Ltd.

Sarah Colwell

Verifier

16 December 2020

Date of Issue

2 July 2014

Date of First Issue



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Appendix to Certificate No: 1239a FiWaRec Valves & Regulators GmbH & Co. KG

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Container Valves DN12

Product Name	Description	LPCB Ref. No.
F2020001	DN12 Container Valve 50 bar, HFC227ea & FK-5-1-12	1239a/01
F2020003	DN12 Container Valve 50 bar, HFC227ea & FK-5-1-12	
F2020005	DN12 Container Valve 50 bar, HFC227ea & FK-5-1-12	
F2021000	DN12 Container Valve 250 bar, CO ₂	
F2021001	DN12 Container Valve 190 bar, CO ₂	
F2021002	DN12 Container Valve 190 bar, CO ₂	
F2021003	DN12 Container Valve 190 bar, CO ₂	
F2021004	DN12 Container Valve 190 bar, CO ₂	
F2022000	DN12 Container Valve 270 bar, Inert	
F2022001	DN12 Container Valve 270 bar, Inert	
F2022002	DN12 Container Valve 270 bar, Inert	
F2023000	DN12 Container Valve 405 bar, Inert	
F2023001	DN12 Container Valve 405 bar, Inert	
F2023002	DN12 Container Valve 405 bar, Inert	
F2023003	DN12 Container Valve 405 bar, Inert	

Note:

All above items to be used in accordance with the relevant Instruction Manual

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Container Valves DN33 and DN50 for use HFC125, HFC227ea & FK-5-1-12

Product Name	Description	LPCB Ref. No.
F2050003	DN33 Container Valve 50 bar, (60 bar burst disc)	1239a/03
F2050004	DN33 Container Valve 50 bar, (95 bar burst disc)	
F2050005	DN33 Container Valve 50 bar, (95 bar burst disc)	
F2050006	DN33 Container Valve 50 bar, (95 bar burst disc)	
F2050007	DN33 Container Valve 50 bar, (60 bar burst disc)	
F2050008	DN33 Container Valve 50 bar, (60 bar burst disc)	
F2050009	DN33 Container Valve 50 bar, (95 bar burst disc)	
F2060004	DN50 Container Valve 50 bar, (60 bar burst disc)	1239a/04
F2060005	DN50 Container Valve 50 bar, (95 bar burst disc)	
F2060007	DN50 Container Valve 50 bar, (95 bar burst disc)	
F2060008	DN50 Container Valve 50 bar, (95 bar burst disc)	
F2060009	DN50 Container Valve 50 bar, (60 bar burst disc)	
F2060010	DN50 Container Valve 50 bar, (60 bar burst disc)	
F2060011	DN50 Container Valve 50 bar, (95 bar burst disc)	

Note:

All above items to be used in accordance with the relevant Instruction Manual

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Container Valve Actuators

Product Name	Description	LPCB Ref. No.
F1120004	Electrical actuator	1239a/02
F1120005	Manual actuator	
F1120006	Pneumatic /manual actuator	
F1120007	Pneumatic actuator	
F1120008	Pneumatic actuator	
F1120009	Pneumatic /manual actuator (with plug)	
F1120010	Pneumatic actuator (with plug)	
F1120011	Pneumatic actuator	
F1120015	Pneumatic actuator	
F1120016	Pneumatic actuator	
F1120019	Pneumatic actuator	
F1120020	Manual actuator	
F1120021	Electrical actuator	
F1120023	Pneumatic /manual actuator	
F1120030	Electrical actuator	

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Connectors

Product Name	Description	LPCB Ref. No.
F104xxxx	Pilot connector (type 3) inert gas (360 bar) DN5 150-1500mm	1239a/05
F105xxxx	Discharge connector (type 1) inert gas (360 bar) DN12 250-1200mm	
F106xxxx	Discharge connector (type 1) inert gas (360 bar) DN16 250-1200mm	
F107xxxx	Discharge connector (type 1) HFCs (70 bar) DN38 300-1500mm	
F108xxxx	Discharge connector (type 1) HFCs (70 bar) DN50 300-1500mm	

Note:

Various combinations of 0° and 90° end fittings are available for the above items

Check Valves

Product Name	Description	LPCB Ref. No.
F017	DN12 inert gas (360 bar)	1239a/06
F018	DN50 HFCs (70 bar)	
F019	DN33 HFCs (70 bar)	

Non-Return Valve

Product Name	Description	LPCB Ref. No.
F016	DN4 (360 bar)	1239a/07

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Constant Pressure Regulators

Product Name	Description	Container Pressure (bar)	Outlet Pressure (bar)	LPCB Ref. No.
F2120010	Constant pressure regulator - manifold installation	200 & 300	Static: 60 (+2 / -6) Dynamic: Max. 60	1239a/08
F2120011	Constant pressure regulator - cylinder installation	200 & 300	Static: 60 (+2 / -6) Dynamic: Max. 60	
F2120012	Constant pressure regulator	200 & 300	Static: 60 (+2 / -6) Dynamic: Max. 60	

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